

## MILENA SIMIC

### Employment Information:

2018-present Associate Professor at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

2013-2018 Assistant Professor at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

2010-2013 Assistant at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

1999-2010 Teaching assistant at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

1998-1999 Associate at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

### Education:

2007-2012 PhD, Faculty of Chemistry - University of Belgrade, "Annulations of heterocyclic compounds and their application in synthesis of natural compounds"  
Mentors: Prof. Dr. Vladimir Savić, Prof. Dr. Vele Tešević.

2000-2007 MSc, Faculty of Chemistry - University of Belgrade, topic "Study of the alkaloid content of the plant species *Rindera umbellata*"  
Mentor: Prof. Dr. Vele Tešević.

1991-1998 Academic studies, Faculty of Chemistry - University of Belgrade, "Study of intramolecular reactions of amino and alkoxy radicals", Mentor: Prof. Dr. Živorad Čeković

### Academic awards and distinctions:

2010 Annual award of Faculty of Pharmacy for PhD work titled "Synthesis of protoberberine as potential P-gp inhibitors"

### Teaching activities:

As an teaching associate and assistant since 1998, Milena Simic was engaged in the realization of all practical and consultative classes at Department of Organic chemistry: *Organic Chemistry 1* (MF), *Organic Chemistry 2* (MF), *Bioorganic Chemistry* (MF-MB) and *Organic Chemistry* (MF-MB). Since the promotion to an assistant professor, she has been lecturing the following courses, *Selected topics of organic chemistry* (MF-MB) and

*Bioorganic Chemistry* (MF-MB). Milena Simic is currently responsible for two courses: *Organic chemistry* (MF-MB) and *Selected topics of organic chemistry* (MF-MB). She was member of two commissions for the defense of doctoral theses and several times member of the commission for the defense of final theses.

### **Textbooks:**

*Praktikum iz organske hemije*, Vladimir Savić, Milena Simić, Miloš Petković, Gordana Tasić, Predrag Jovanović, Zorana Tokić-Vujošević, Sanda Dilber; 4th supplemented edition, Belgrade 2017. ISBN 978-86-6273-042-8  
Publisher: University of Belgrade, Faculty of Pharmacy.

### **Projects:**

2011-2019 Member of the research team on projects of the Ministry of Education, Science and Technological Development no.172009, entitled "Computer-aided design, synthesis and biological evaluation of new heterocyclic compounds as inhibitors of tumorigenesis" (project leader: Vladimir Savic)

2008-2011 Member of the research team on projects of the Ministry of Education, Science and Technological Development no.142072, (project leader: Sote Vladimirov)

### **Publications:**

1) Towards the Synthesis of Incargranine B and Seneciobipyrrolidine. Synthesis of octahydro-dipyrroloquinoline skeleton via dipolar cycloaddition/amination sequence Milena Simic, Predrag Jovanovic, Milos Petkovic, Gordana Tasic, Milos Jovanovic, Vladimir Savic\*, *Journal of Heterocyclic Chemistry*, **2021**, 58, 1665-1674. M22, Chemistry, Organic (33/57), IF<sub>2020</sub>=2,193

2) Fragment-type 4-azolylcoumarin derivatives with anticancer properties Milena Simic, Milos Petkovic, Predrag Jovanovic, Milos Jovanovic, Gordana Tasic, Irina Besu, Zeljko Zizak, Ivana Aleksic, Jasmina Nikodinovic-Runic, Vladimir Savic, *Arch. Pharm.* 2021, e2100238. <https://doi.org/10.1002/ardp.202100238> M22, Chemistry, Medicinal (27/63), IF<sub>2020</sub>=3,751

3) Synthesis and biological profiling of novel isocoumarin derivatives and related compounds; Milena R. Simić, Slavica Erić, Ivan Borić, Annamaria Lubelska, Gniewomir Latacz, Katarzyna Kiec-Kononowic, Sandra Vojnovic, Jasmina Nikodinovic-Runic and Vladimir Savic, *J. Serb. Chem. Soc.* **2021**, 86, 639-649 M23, Chemistry, Multidisciplinary (141/178), IF<sub>2020</sub>=1,240

4) Preparation of pyrrolizone derivatives via sequential transformations of cyclic allyl imides: synthesis of quinolactamide and marinamide;

Milena Simic, Gordana Tasic, Predrag Jovanovic, Milos Petkovic and Vladimir Savic; *Organic & Biomolecular Chemistry*, **2018**, *16*, 2125-2133. M21, Chemistry, Organic, IF<sub>2016</sub>=3,564

5) Functionalised Isocoumarins as antifungal compounds: Synthesis and biological studies

Milena Simic, Nikola Paunovic, Ivan Boric, Jelena Randjelovic, Sandra Vojnovic, Jasmina Nikodinovic-Runic, Marina Pekmezovic, Vladimir Savic  
*Bioorg. Med. Chem. Lett.* **2016**, *26*, 235-239. M22, Chemistry, Organic (24/59), IF<sub>2016</sub>=2,454

6) Synthesis of Novel Tetrahydrobenzazepine Derivatives and Their Cytoprotective Effect on Human Lymphocytes

Milena R. Simic, Miroslava Stankovic, Boris M. Mandic, Vele V. Tesevic, Vladimir M. Savic; *Arch. Pharm. Chem. Life Sci.* **2015**, *348*, 100-112. M22, Chemistry, Multidisciplinary (71/163), IF<sub>2015</sub>=2,043

7) Synthesis of substituted allyl acetates from heterocyclic dienes by a Pd-promoted arylation-acetoxylation cascade

Milena R. Simić, Miloš R. Petković, Predrag M. Jovanović, Gordana D. Tasić, Vladimir M. Savić, *J. Serb. Chem. Soc.* **2017**, *82* (12) 1335-1341  
M23, Chemistry, Multidisciplinary (131/166), IF<sub>2016</sub>=0,822

8) Pyrrolizidine Alkaloids and Fatty Acids from the Endemic Plant Species *Rindera umbellata* and the Effect of Lindelofine-*N*-oxide on Tubulin Polymerization

Boris M. Mandić, Milena R. Simić, Ivan M. Vučković, Ljubodrag V. Vujisić, Miroslav M. Novaković, Snežana S. Trifunović, Snežana D. Nikolić-Mandić, Vele V. Tešević, Vlatka V. Vajs and Slobodan M. Milosavljević *Molecules* **2013**, *18*, 10694-10706. M22, Chemistry, Organic (30/58), IF<sub>2013</sub>=2,095

9) Synthesis of Allyl Acetates via Palladium-Catalysed Functionalisation of Allenes and 1,3-Dienes; Husinec S, Petkovic M, Savic V, Simic M SYNTHESIS-STUTTGART (2012), 44(3), p. 399-408 M22, Chemistry, Organic (22/57) IF<sub>2012</sub>=2.500

10) Annulations of isoquinoline and  $\beta$ -carboline ring systems: synthesis of 8-oxoprotoberberine derivatives

Suren Husinec, Vladimir Savic, Milena Simic, Vele Tesevic, Dragoslav Vidovic, *Tetrahedron Lett.* **2011**, *52*, 2733-2736.  
M22, Chemistry, Organic (19/56), IF<sub>2011</sub>=2,683